

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140309.D
 Acq On : 08 Nov 2024 19:48
 Operator : RC/JU
 Sample : P4768-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3-1

Quant Time: Nov 08 21:48:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

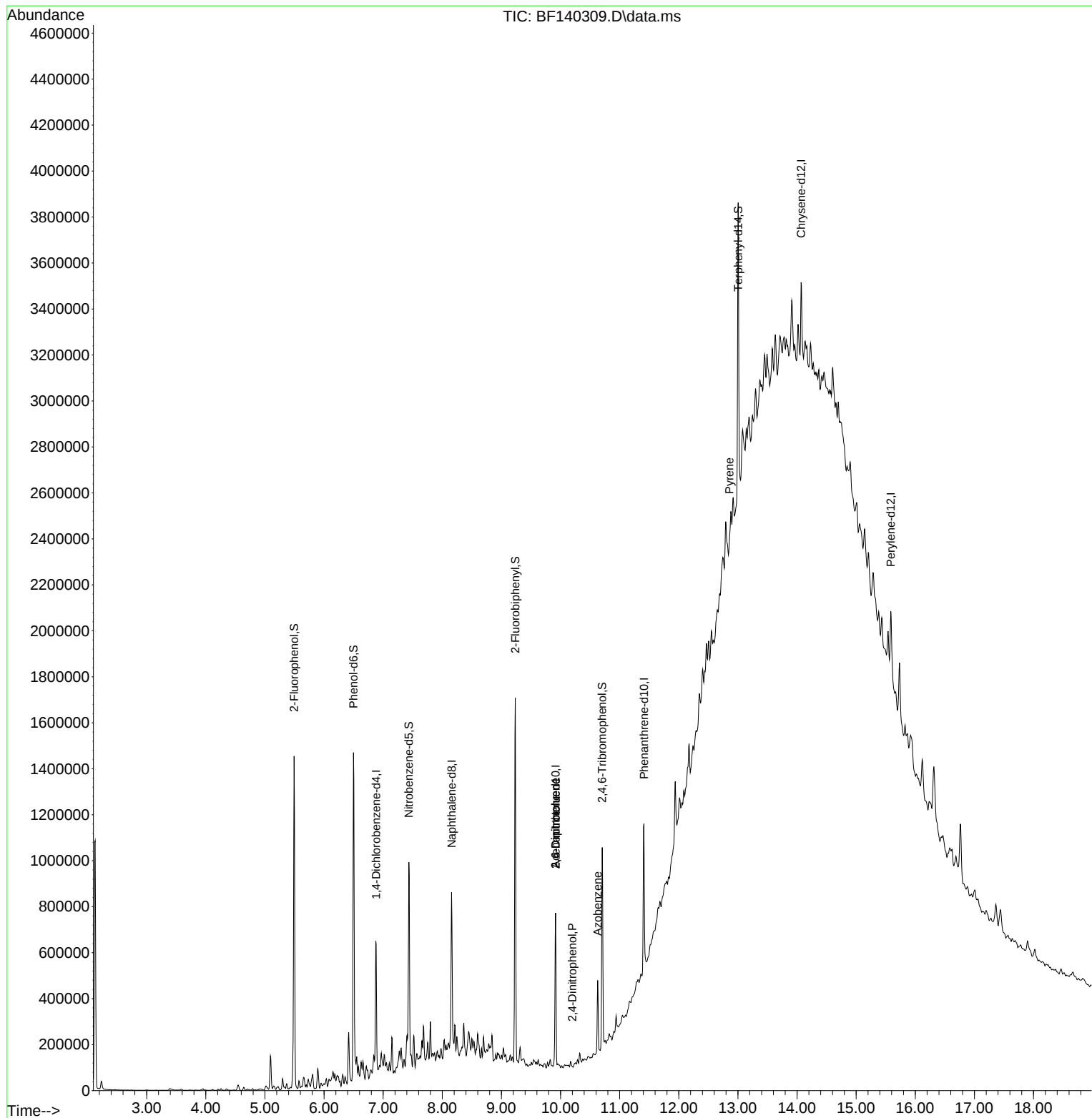
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	113687	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	388933	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	199747	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	347898	20.000	ng	0.00
76) Chrysene-d12	14.069	240	189190	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	170096	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	511143	74.509	ng	0.00
7) Phenol-d6	6.498	99	640860	72.628	ng	0.00
23) Nitrobenzene-d5	7.434	82	388971	49.723	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	155259	78.636	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	698764	55.860	ng	0.00
79) Terphenyl-d14	13.004	244	709772	61.457	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.916	165	25520	8.826	ng	# 23
54) 2,4-Dinitrophenol	10.198	184	268	6.305	ng	# 54
57) 2,4-Dinitrotoluene	9.916	165	25520	6.801	ng	# 20
63) Azobenzene	10.628	77	82268	6.492	ng	# 1
78) Pyrene	12.857	202	41383	2.649	ng	# 74

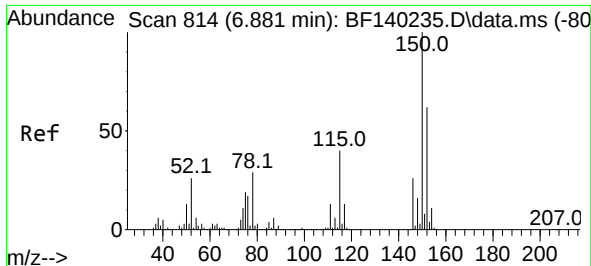
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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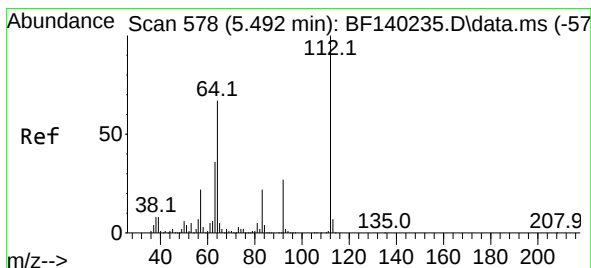
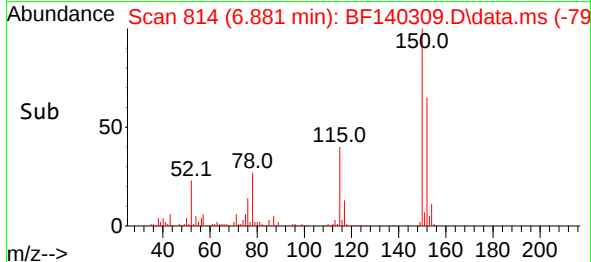
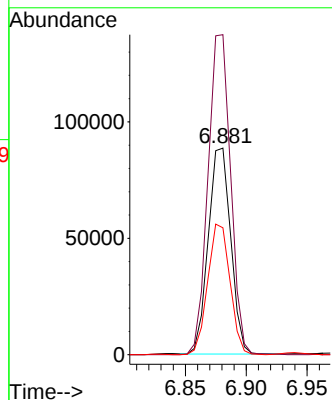
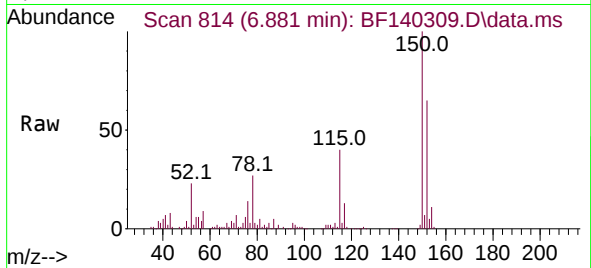




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: BF140309.D
 Acq: 08 Nov 2024 19:48

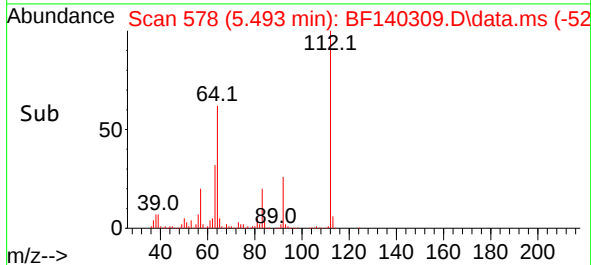
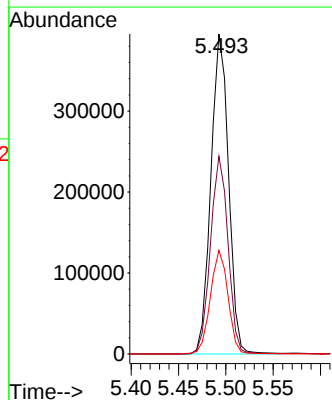
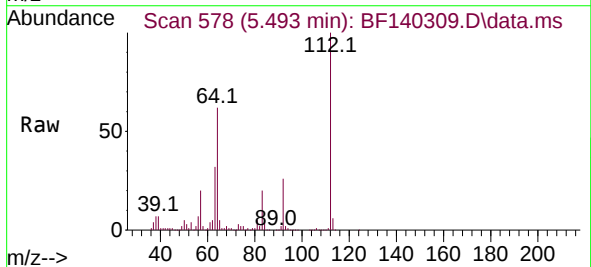
Instrument :
 BNA_F
 ClientSampleId :
 B-3-1

Tgt Ion:152 Resp: 113687
 Ion Ratio Lower Upper
 152 100
 150 154.9 129.4 194.2
 115 61.4 51.5 77.3



#5
 2-Fluorophenol
 Concen: 74.509 ng
 RT: 5.493 min Scan# 578
 Delta R.T. 0.000 min
 Lab File: BF140309.D
 Acq: 08 Nov 2024 19:48

Tgt Ion:112 Resp: 511143
 Ion Ratio Lower Upper
 112 100
 64 61.7 53.4 80.2
 63 32.3 28.9 43.3

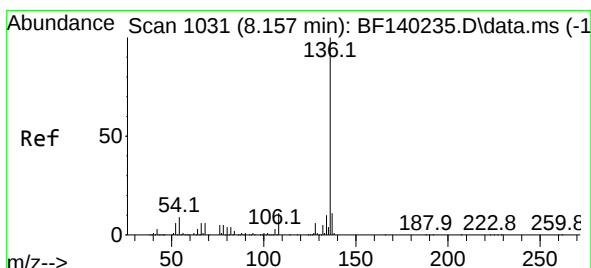
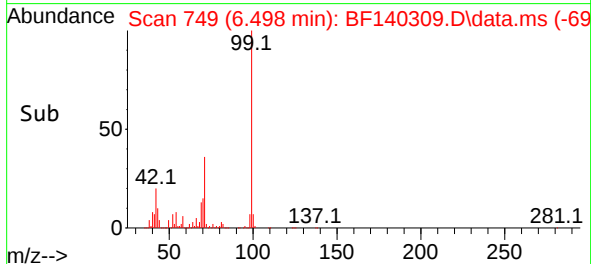
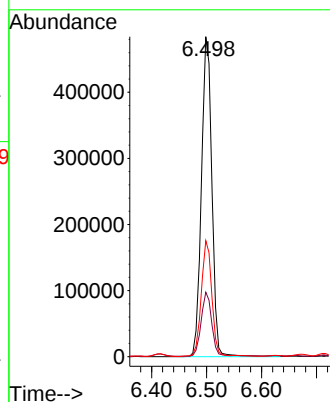
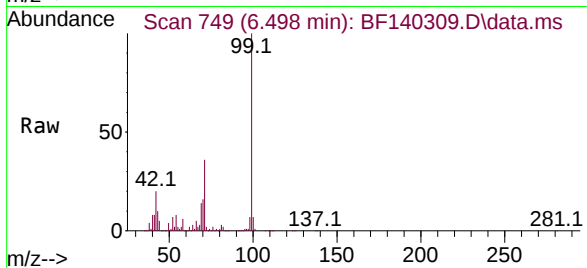




#7
Phenol-d6
Concen: 72.628 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

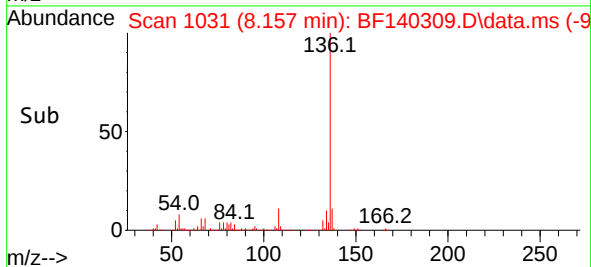
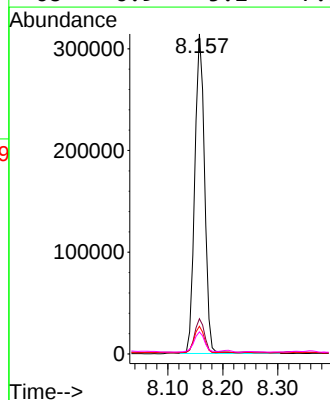
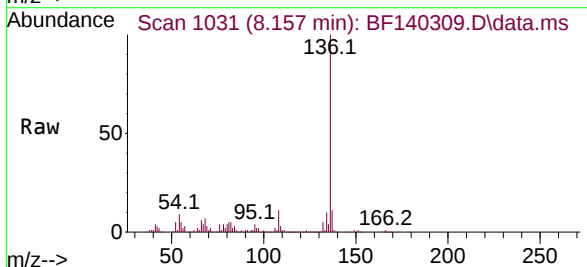
Instrument :
BNA_F
ClientSampleId :
B-3-1

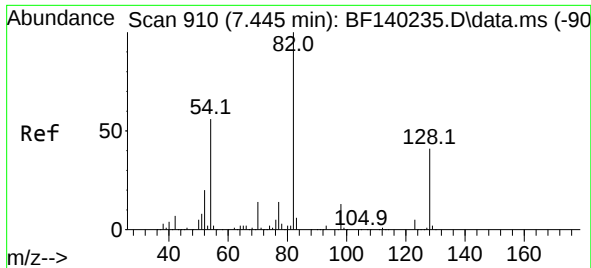
Tgt Ion: 99 Resp: 640860
Ion Ratio Lower Upper
99 100
42 20.1 18.2 27.2
71 36.3 30.9 46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

Tgt Ion:136 Resp: 388933
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 8.7 7.7 11.5
68 6.9 5.2 7.8

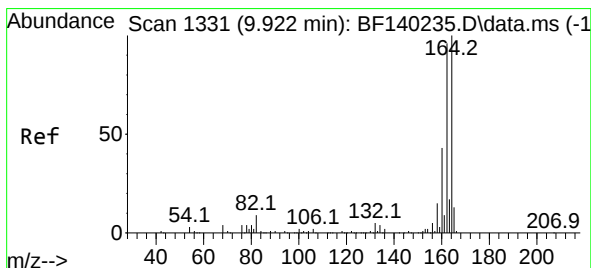
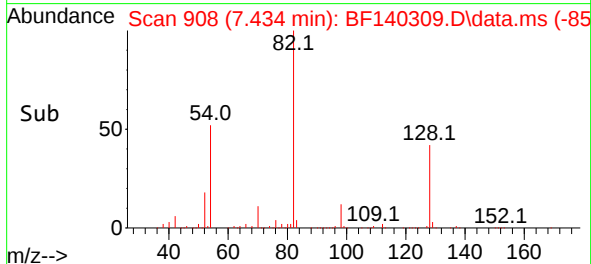
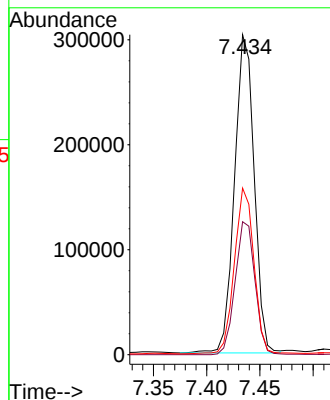
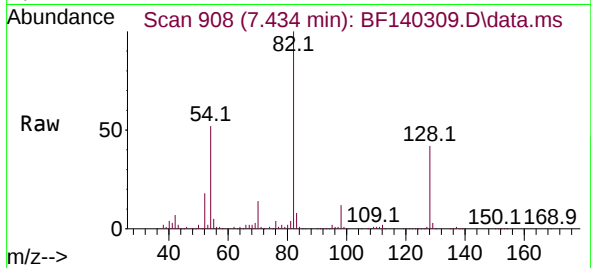




#23
Nitrobenzene-d5
Concen: 49.723 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

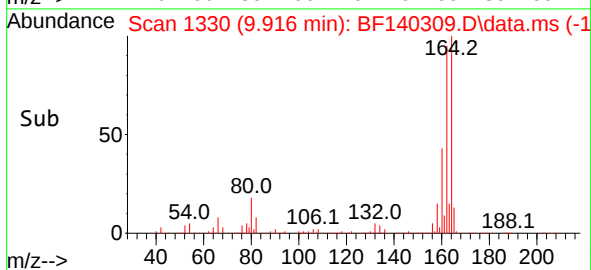
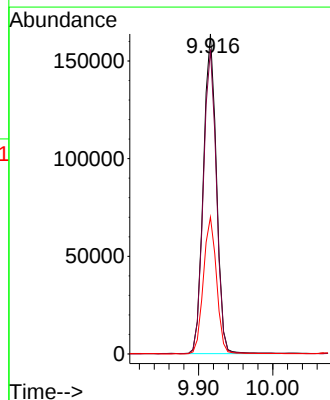
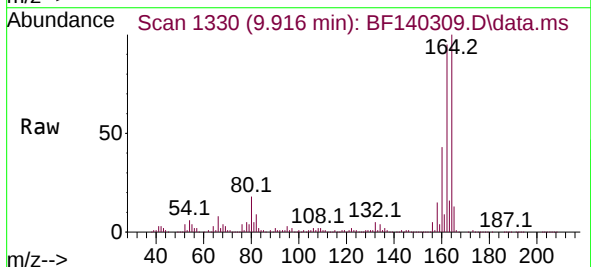
Instrument :
BNA_F
ClientSampleId :
B-3-1

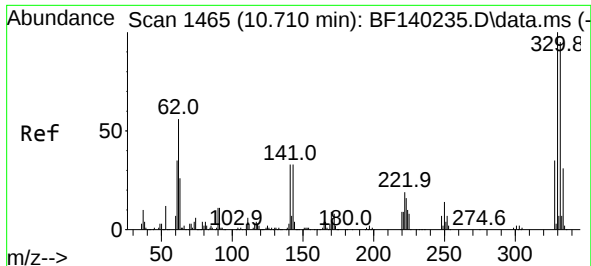
Tgt Ion: 82 Resp: 388971
Ion Ratio Lower Upper
82 100
128 41.5 32.8 49.2
54 52.1 44.3 66.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

Tgt Ion:164 Resp: 199747
Ion Ratio Lower Upper
164 100
162 95.1 77.0 115.4
160 42.8 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 78.636 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

Instrument :

BNA_F

ClientSampleId :

B-3-1

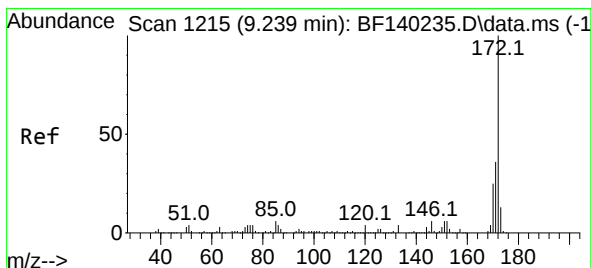
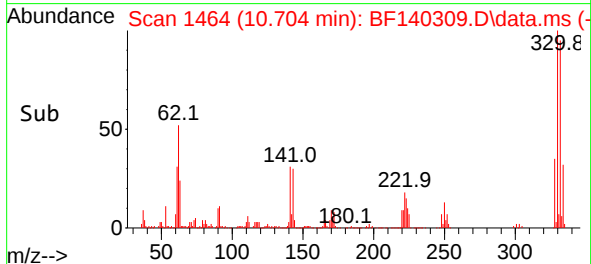
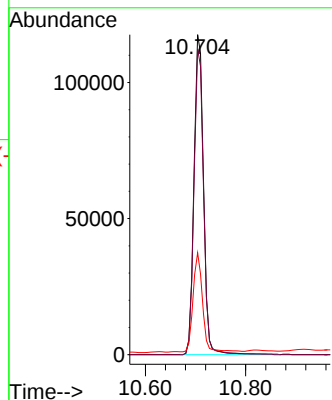
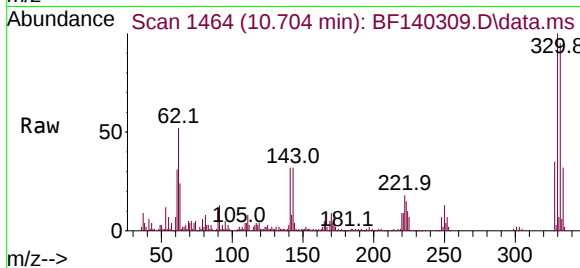
Tgt Ion:330 Resp: 155259

Ion Ratio Lower Upper

330 100

332 95.6 76.4 114.6

141 30.5 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 55.860 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

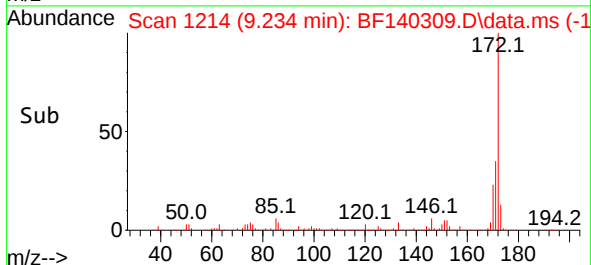
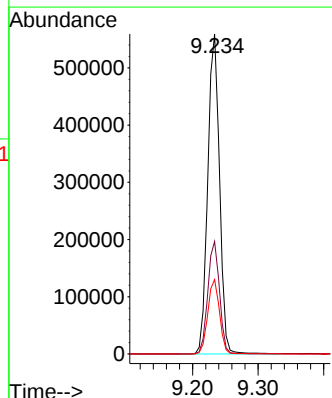
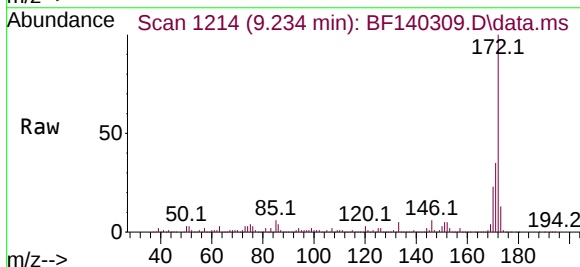
Tgt Ion:172 Resp: 698764

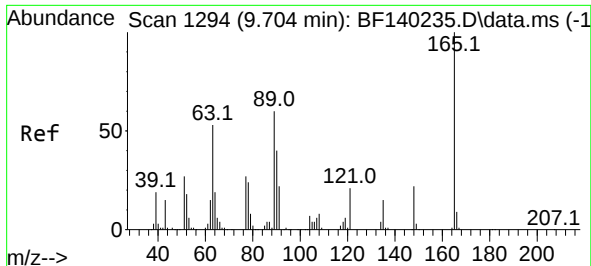
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.3 19.6 29.4





#51

2,6-Dinitrotoluene

Concen: 8.826 ng

RT: 9.916 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

Instrument :

BNA_F

ClientSampleId :

B-3-1

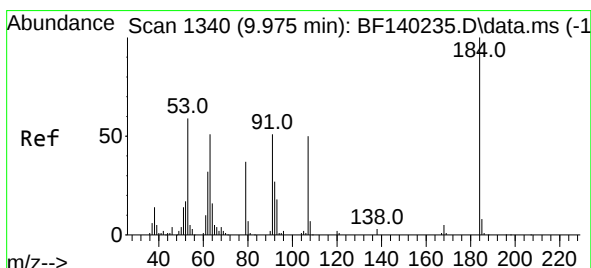
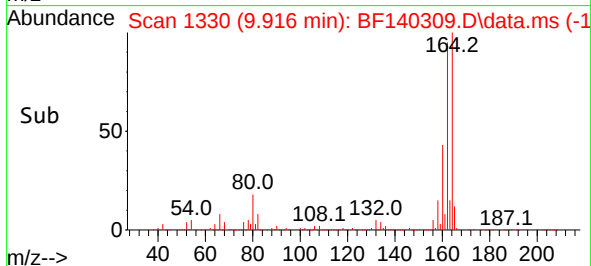
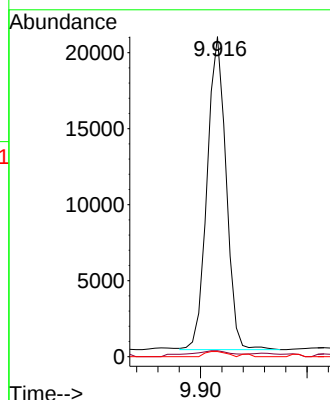
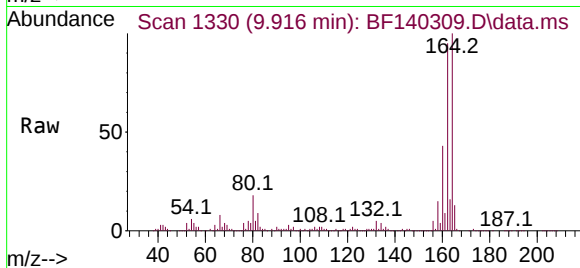
Tgt Ion:165 Resp: 25520

Ion Ratio Lower Upper

165 100

63 1.9 48.8 73.2#

89 1.6 48.1 72.1#



#54

2,4-Dinitrophenol

Concen: 6.305 ng

RT: 10.198 min Scan# 1378

Delta R.T. 0.223 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

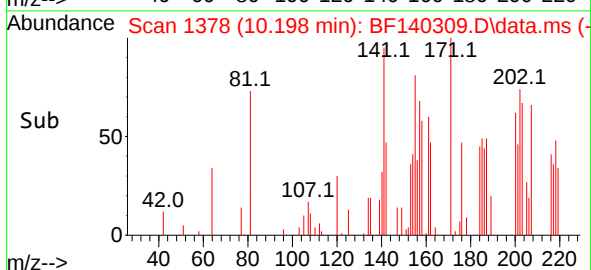
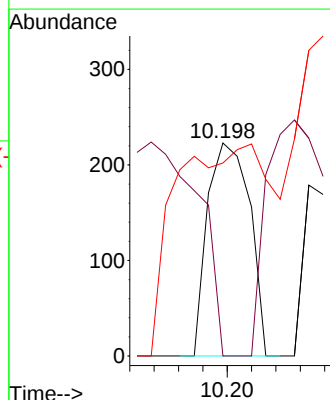
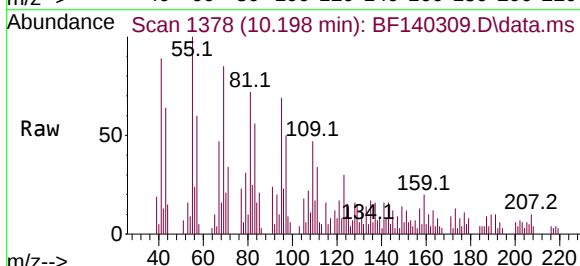
Tgt Ion:184 Resp: 268

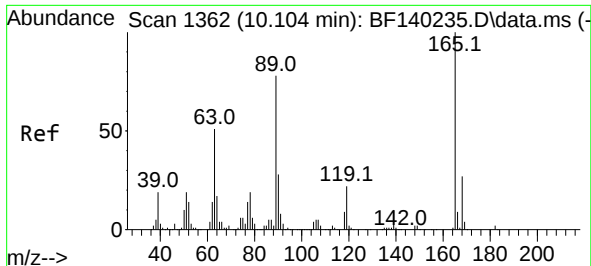
Ion Ratio Lower Upper

184 100

63 0.0 60.1 90.1#

154 90.6 66.3 99.5

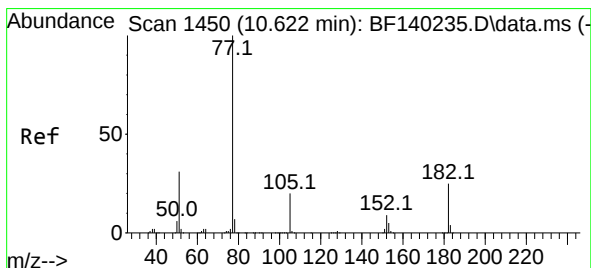
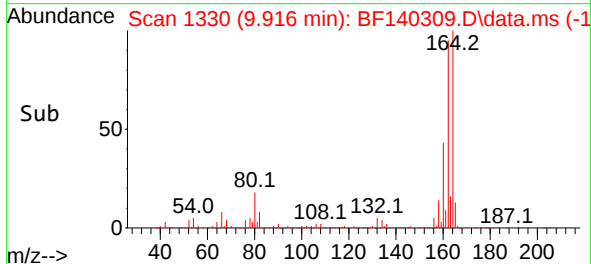
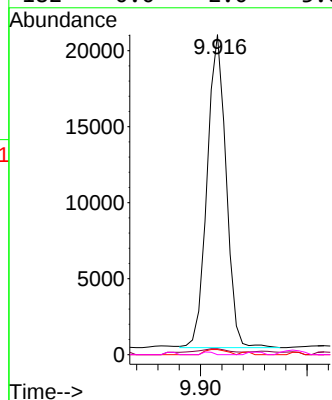
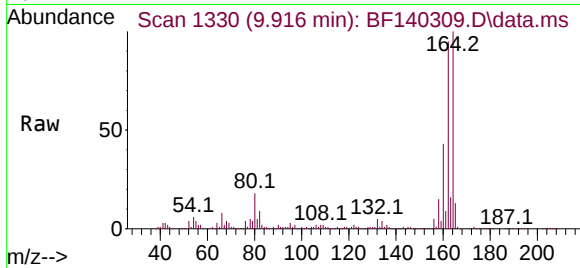




#57
2,4-Dinitrotoluene
Concen: 6.801 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

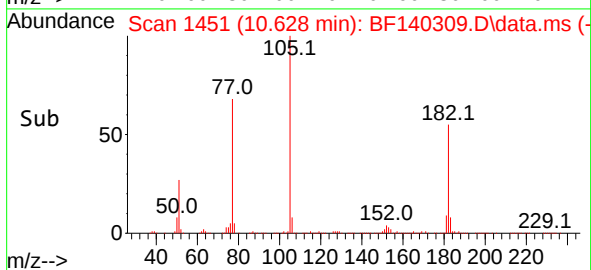
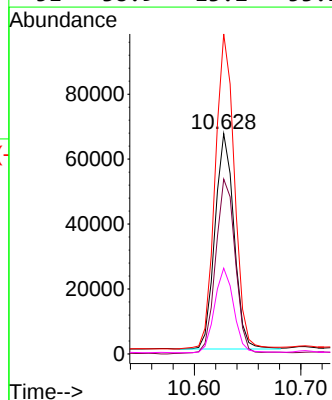
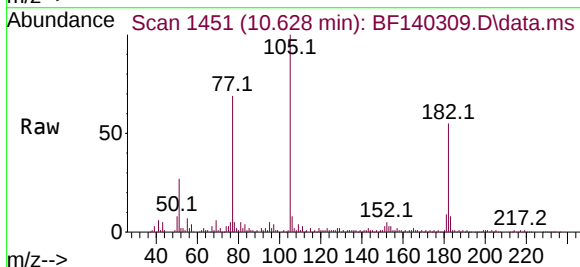
Instrument :
BNA_F
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B-3-1

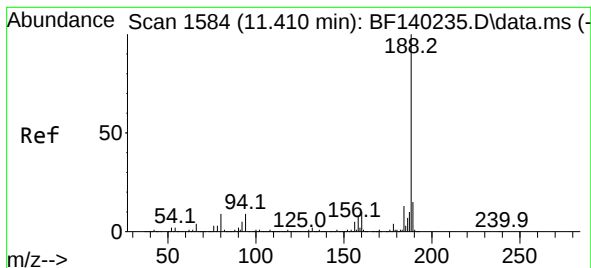
Tgt Ion:165 Resp: 25520
Ion Ratio Lower Upper
165 100
63 1.9 41.3 61.9#
89 1.6 62.6 94.0#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 6.492 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

Tgt Ion: 77 Resp: 82268
Ion Ratio Lower Upper
77 100
182 79.4 4.7 44.7#
105 145.2 0.0 40.0#
51 38.9 13.2 53.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

Instrument :

BNA_F

ClientSampleId :

B-3-1

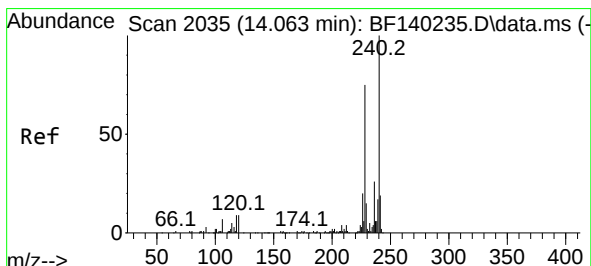
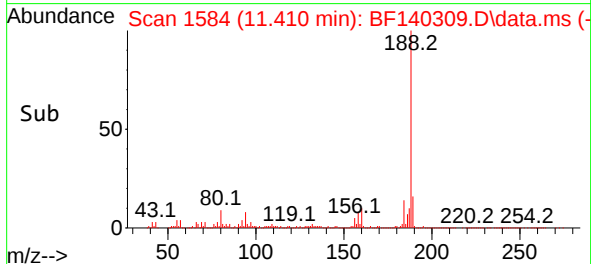
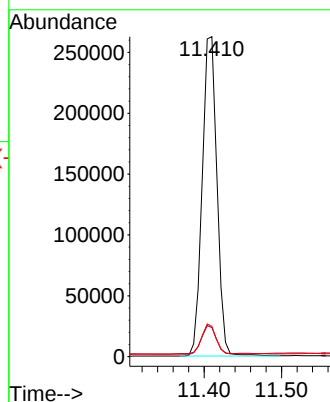
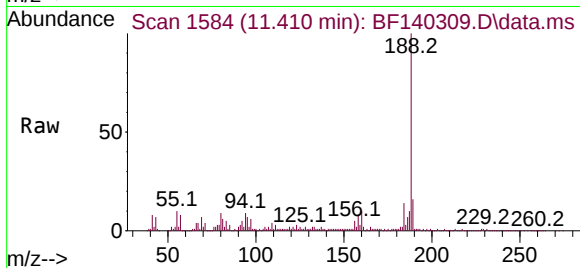
Tgt Ion:188 Resp: 347898

Ion Ratio Lower Upper

188 100

94 9.1 6.9 10.3

80 9.5 7.5 11.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.006 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

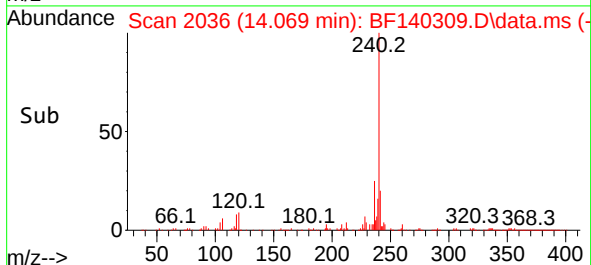
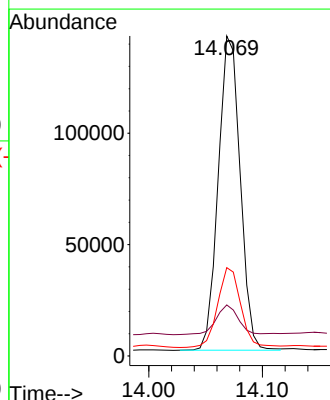
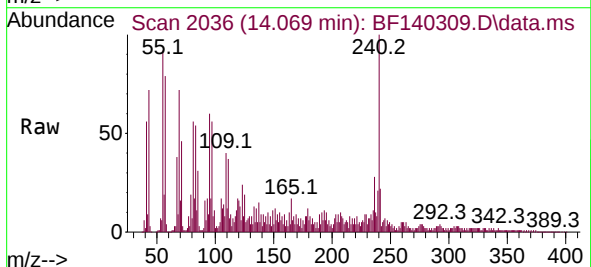
Tgt Ion:240 Resp: 189190

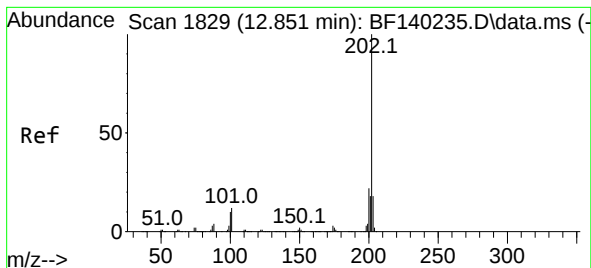
Ion Ratio Lower Upper

240 100

120 15.9 7.5 11.3#

236 27.6 20.9 31.3





#78

Pyrene

Concen: 2.649 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.006 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

Instrument :

BNA_F

ClientSampleId :

B-3-1

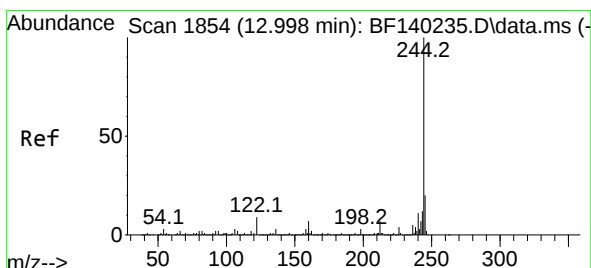
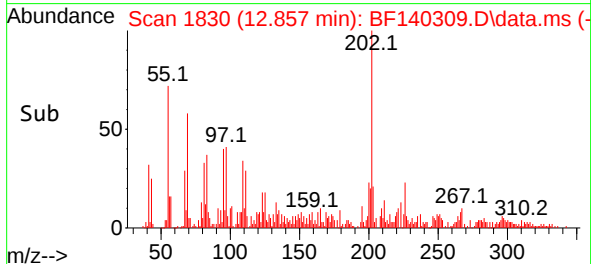
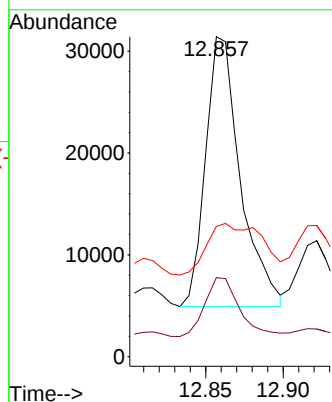
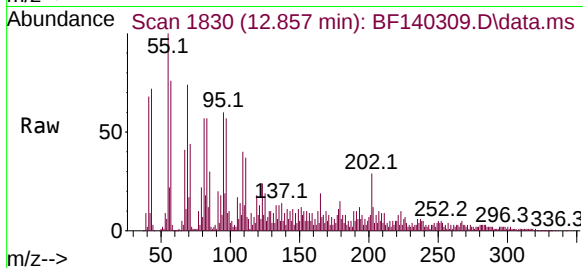
Tgt Ion:202 Resp: 41383

Ion Ratio Lower Upper

202 100

200 24.7 17.5 26.3

203 40.7 14.4 21.6#



#79

Terphenyl-d14

Concen: 61.457 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

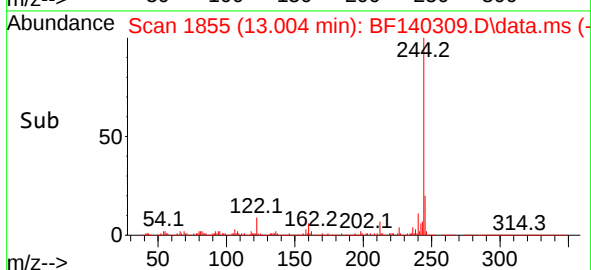
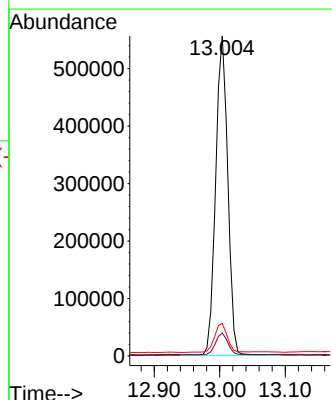
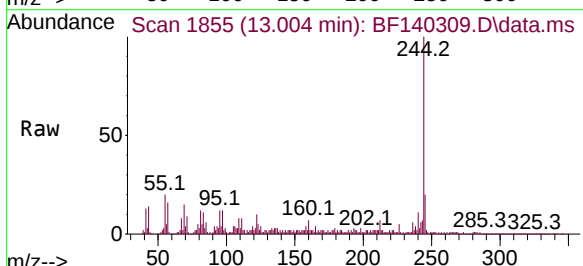
Tgt Ion:244 Resp: 709772

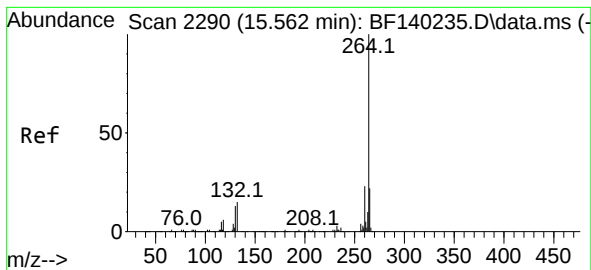
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

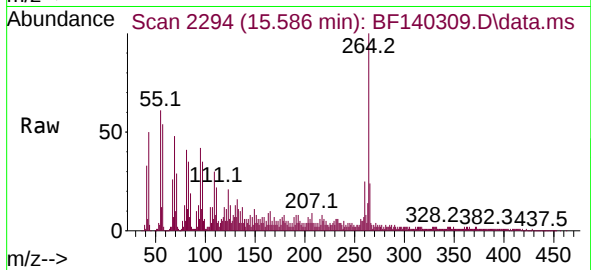
122 10.1 7.6 11.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.586 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF140309.D
 Acq: 08 Nov 2024 19:48

Instrument :
 BNA_F
 ClientSampleId :
 B-3-1



Tgt Ion:264 Resp: 170096

Ion	Ratio	Lower	Upper
264	100		
260	25.4	18.8	28.2
265	24.1	17.3	25.9

